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(a2) about 5 - 80 % by weight of a styrene-containing copolymer containing about 19 - 50 % by weight of acrylonitrile or methacrylonitrile;

- (B) about 5 60 parts by weight of a polyphenylene ether resin;
- (C) about 2 40 parts by weight of a compatabilizer comprising
  - (c1) a styrene-containing copolymer containing about 5 18 % by weight of acrylonitrile in the copolymer per 100 parts by weight of the sum of (A) and (B) or
  - (c2) a styrene-containing graft copolymer having up to about 60% by weight of rubber wherein the compatabilizer contains about 5 18 % by weight of acrylonitrile in the copolymer excluding rubber, per 100 parts by weight of the sum of (A) and (B); and
- (D) about 5 30 parts by weight of an aromatic phosphoric acid ester per 100 parts by weight of the sum of (A) and (B),

wherein the resin composition contains less than 3% by weight of polycarbonate based on the total weight of the composition.

a2

Claim 15 (Once amended). A flameproof thermoplastic resin composition comprising:

- (A) about 40 95 parts by weight of a rubber modified styrene-containing resin comprising
  - (a<sub>1</sub>) about 20 95 % by weight of a styrene-containing graft copolymer resin containing about 19 50 % by weight of acrylonitrile or methacrylonitrile in the copolymer excluding rubber and
  - (a<sub>2</sub>) about 5 80 % by weight of a styrene-containing copolymer containing about 19 50 % by weight of acrylonitrile or methacrylonitrile;
  - (B) about 5 60 parts by weight of a polyphenylene ether resin;
  - (C) about 2 40 parts by weight of a compatabilizer comprising

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- (c1) a styrene-containing copolymer containing about 5 18 % by weight of acrylonitrile in the copolymer per 100 parts by weight of the sum of (A) and (B) or
- (c2) a styrene-containing graft copolymer having up to about 60% by weight of rubber wherein the compatabilizer contains about 5 18 % by weight of acrylonitrile in the copolymer excluding rubber, per 100 parts by weight of the sum of (A) and (B); and
- (D) about 5 30 parts by weight of an aromatic phosphoric acid ester per 100 parts by weight of the sum of (A) and (B),

wherein the resin composition contains about 0 % by weight of phenolic resin, red phosphorous, and silicone resin based on the total weight of the composition.

R3

Claim 23 (Once amended). A flameproof thermoplastic resin composition substantially free of phenolic resin and red phosphorous comprising:

- (A) about 40 95 parts by weight of a rubber modified styrene-containing resin comprising
  - (a1) abut 20 95 % by weight of a styrene-containing graft copolymer resin containing about 19 50 % by weight of acrylonitrile or methacrylonitrile in the copolymer excluding rubber and
  - (a2) about 5 80 % by weight of a styrene-containing copolymer containing about 19 50 % by weight of acrylonitrile or methacrylonitrile;
  - (B) about 5 60 parts by weight of a polyphenylene ether resin;
  - (C) about 2 40 parts by weight of a compatabilizer comprising
    - (c1) a styrene-containing copolymer containing about 5 18 % by weight of acrylonitrile in the copolymer excluding rubber, per 100 parts by weight of the sum of (A) and (B) or
    - (c2) a styrene-containing graft copolymer having up to about 60% by weight of rubber wherein the compatabilizer contains about 5 18 % by weight of acrylonitrile in the copolymer excluding rubber, per 100 parts by weight of the sum of (A) and (B); and

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(D) about 5 - 30 parts by weight of an aromatic phosphoric acid ester per 100 parts by weight of the sum of (A) and (B),

wherein the resin composition contains about 0% by weight silicone resin based on the total weight of the composition.

Claim 24 (Once amended). A flameproof thermoplastic resin composition substantially free of phenolic resin and red phosphorous comprising:

- (A) about 40 95 parts by weight of a rubber modified styrene-containing resin comprising
  - (a1) about 20 95 % by weight of a styrene-containing graft copolymer resin containing about 19 50 % by weight of acrylonitrile or methacrylonitrile in the copolymer excluding rubber and
  - (a2) about 5 80 % by weight of a styrene-containing copolymer containing about 19 50 % by weight of acrylonitrile or methacrylonitrile;
  - (B) about 5 60 parts by weight of a polyphenylene ether resin;
  - (C) about 2 40 parts by weight of a compatabilizer comprising
    - (c1) a styrene-containing copolymer containing about 5 18 % by weight of acrylonitrile in the copolymer excluding rubber, per 100 parts by weight of the sum of (A) and (B) or
    - (c2) a styrene-containing graft copolymer having up to about 60% by weight of rubber wherein the compatabilizer contains about 5 18 % by weight of acrylonitrile in the copolymer excluding rubber, per 100 parts by weight of the sum of (A) and (B); and
- (D) about 5 30 parts by weight of an aromatic phosphoric acid ester per 100 parts by weight of the sum of (A) and (B),

wherein the resin composition contains less than 3 % by weight of polycarbonate based on the total weight of the composition, wherein the resin composition is produced in a two-step process comprising

a first step (i) preparing a master batch containing about 40 - 95 parts by weight of polyphenylene ether (PPE) (B), about 5 - 60 parts by weight of compatabilizer (C) having about 5

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- 18 % by weight of acrylonitrile content, and about 0 - 30 parts by weight of aromatic phosphoric acid ester compound (D) at about 250 - 300 °C of molding temperature; and

a subsequent second step (ii) adding a rubber modified styrene-containing resin (A) and aromatic phosphoric acid ester compound (D) to the master batch and extruding the resulting mixture at about 200 - 260 °C.

Claim 25 (Once amended). A method of producing a flameproof thermoplastic resin composition substantially free of phenolic resin and red phosphorous and contains less than 3 % by weight of polycarbonate based on the total weight of the composition wherein the resin composition comprises

- (A) about 40 95 parts by weight of a rubber modified styrene-containing resin comprising
  - (a1) abut 20 95 % by weight of a styrene-containing graft copolymer resin containing about 19 50 % by weight of acrylonitrile or methacrylonitrile in the copolymer excluding rubber and
  - (a2) about 5 80 % by weight of a styrene-containing copolymer containing about 19 50 % by weight of acrylonitrile or methacrylonitrile;
  - (B) about 5 60 parts by weight of a polyphenylene ether resin;
  - (C) about 2 40 parts by weight of a compatabilizer comprising
    - (c1) a styrene-containing copolymer containing about 5 18 % by weight of acrylonitrile in the copolymer excluding rubber, per 100 parts by weight of the sum of (A) and (B) or
    - (c2) a styrene-containing graft copolymer having up to about 60% by weight of rubber wherein the compatabilizer contains about 5 18 % by weight of acrylonitrile in the copolymer excluding rubber, per 100 parts by weight of the sum of (A) and (B); and
- (D) about 5 30 parts by weight of an aromatic phosphoric acid per 100 parts by weight of the sum of (A) and (B), wherein the method is a two-step process comprising